



IFWO

## RAW SEQUENCE LISTING

DATE: 08/13/2004

PATENT APPLICATION: US/10/759,507

TIME: 10:47:59

Input Set : D:\407c11.app.txt

Output Set: N:\CRF4\08132004\J759507.raw

3 <110> APPLICANT: Blaschuk, Orest W.  
 4 Symonds, James Matthew  
 5 Byers, Stephen  
 6 Gour, Barbara J.  
 8 <120> TITLE OF INVENTION: METHODS FOR DIAGNOSING AND EVALUATING CANCER  
 10 <130> FILE REFERENCE: 100086.407C11  
 12 <140> CURRENT APPLICATION NUMBER: US 10/759,507  
 13 <141> CURRENT FILING DATE: 2004-01-16  
 15 <150> PRIOR APPLICATION NUMBER: 09/234,395  
 16 <151> PRIOR FILING DATE: 1999-01-20  
 18 <150> PRIOR APPLICATION NUMBER: 09/187,859  
 19 <151> PRIOR FILING DATE: 1998-11-06  
 21 <150> PRIOR APPLICATION NUMBER: 09/073,040  
 22 <151> PRIOR FILING DATE: 1998-05-05  
 24 <160> NUMBER OF SEQ ID NOS: 324  
 26 <170> SOFTWARE: PatentIn Ver. 2.0  
 28 <210> SEQ ID NO: 1  
 29 <211> LENGTH: 5  
 30 <212> TYPE: PRT  
 31 <213> ORGANISM: Unknown  
 33 <220> FEATURE:  
 34 <221> NAME/KEY: MOD\_RES  
 35 <222> LOCATION: (2)  
 36 <223> OTHER INFORMATION: Where Xaa is any amino acid  
 38 <220> FEATURE:  
 39 <223> OTHER INFORMATION: Description of Unknown Organism: Calcium Binding  
 40 Motif in Extracellular domains of Classical  
 41 Cadherins  
 43 <400> SEQUENCE: 1  
 W--> 44 Asp Xaa Asn Asp Asn  
 45 1 5  
 47 <210> SEQ ID NO: 2  
 48 <211> LENGTH: 4  
 49 <212> TYPE: PRT  
 50 <213> ORGANISM: Unknown  
 52 <220> FEATURE:  
 53 <223> OTHER INFORMATION: Description of Unknown Organism: Calcium Binding  
 54 Motif in Extracellular domains of Classical  
 55 Cadherins  
 57 <400> SEQUENCE: 2  
 58 Leu Asp Arg Glu  
 59 1  
 61 <210> SEQ ID NO: 3

**ENTERED**

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62 <211> LENGTH: 9
63 <212> TYPE: PRT
64 <213> ORGANISM: Artificial Sequence
66 <220> FEATURE:
67 <223> OTHER INFORMATION: Description of Artificial Sequence: Product of
68   Synthesis based on Human OB-Cadherin
70 <400> SEQUENCE: 3
71 Ile Phe Val Ile Asp Asp Lys Ser Gly
72   1           5
74 <210> SEQ ID NO: 4
75 <211> LENGTH: 106
76 <212> TYPE: PRT
77 <213> ORGANISM: Homo sapiens
79 <400> SEQUENCE: 4
80 Gly Trp Val Trp Asn Gln Phe Phe Val Ile Glu Glu Tyr Thr Gly Pro
81   1           5           10           15
83 Asp Pro Val Leu Val Gly Arg Leu His Ser Asp Ile Asp Ser Gly Asp
84           20           25           30
86 Gly Asn Ile Lys Tyr Ile Leu Ser Gly Glu Gly Ala Gly Thr Ile Phe
87           35           40           45
89 Val Ile Asp Asp Lys Ser Gly Asn Ile His Ala Thr Lys Thr Leu Asp
90           50           55           60
92 Arg Glu Glu Arg Ala Gln Tyr Thr Leu Met Ala Gln Ala Val Asp Arg
93   65           70           75           80
95 Asp Thr Asn Arg Pro Leu Glu Pro Pro Ser Glu Phe Ile Val Lys Val
96           85           90           95
98 Gln Asp Ile Asn Asp Asn Pro Pro Glu Phe
99           100           105
101 <210> SEQ ID NO: 5
102 <211> LENGTH: 106
103 <212> TYPE: PRT
104 <213> ORGANISM: Mus musculus
106 <400> SEQUENCE: 5
107 Gly Trp Val Trp Asn Gln Phe Phe Val Ile Glu Glu Tyr Thr Gly Pro
108   1           5           10           15
110 Asp Pro Val Leu Val Gly Arg Leu His Ser Asp Ile Asp Ser Gly Asp
111           20           25           30
113 Gly Asn Ile Lys Tyr Ile Leu Ser Gly Glu Gly Ala Gly Thr Ile Phe
114           35           40           45
116 Val Ile Asp Asp Lys Ser Gly Asn Ile His Ala Thr Lys Thr Leu Asp
117           50           55           60
119 Arg Glu Glu Arg Ala Gln Tyr Thr Leu Met Ala Gln Ala Val Asp Arg
120   65           70           75           80
122 Asp Thr Asn Arg Pro Leu Glu Pro Pro Ser Glu Phe Ile Val Lys Val
123           85           90           95
125 Gln Asp Ile Asn Asp Asn Pro Pro Glu Phe
126           100           105
128 <210> SEQ ID NO: 6
129 <211> LENGTH: 108

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130 <212> TYPE: PRT
131 <213> ORGANISM: Homo sapiens
133 <400> SEQUENCE: 6
134 Asp Trp Val Ile Pro Pro Ile Asn Leu Pro Glu Asn Ser Arg Gly Pro
135 1 5 10 15
137 Phe Pro Gln Glu Leu Val Arg Ile Arg Ser Asp Arg Asp Lys Asn Leu
138 20 25 30
140 Ser Leu Arg Tyr Ser Val Thr Gly Pro Gly Ala Asp Gln Pro Pro Thr
141 35 40 45
143 Gly Ile Phe Ile Leu Asn Pro Ile Ser Gly Gln Leu Ser Val Thr Lys
144 50 55 60
146 Pro Leu Asp Arg Glu Gln Ile Ala Arg Phe His Leu Arg Ala His Ala
147 65 70 75 80
149 Val Asp Ile Asn Gly Asn Gln Val Glu Asn Pro Ile Asp Ile Val Ile
150 85 90 95
152 Asn Val Ile Asp Met Asn Asp Asn Arg Pro Glu Phe
153 100 105
155 <210> SEQ ID NO: 7
156 <211> LENGTH: 108
157 <212> TYPE: PRT
158 <213> ORGANISM: Mus musculus
160 <400> SEQUENCE: 7
161 Asp Trp Val Ile Pro Pro Ile Asn Leu Pro Glu Asn Ser Arg Gly Pro
162 1 5 10 15
164 Phe Pro Gln Glu Leu Val Arg Ile Arg Ser Asp Arg Asp Lys Asn Leu
165 20 25 30
167 Ser Leu Arg Tyr Ser Val Thr Gly Pro Gly Ala Asp Gln Pro Pro Thr
168 35 40 45
170 Gly Ile Phe Ile Ile Asn Pro Ile Ser Gly Gln Leu Ser Val Thr Lys
171 50 55 60
173 Pro Leu Asp Arg Glu Leu Ile Ala Arg Phe His Leu Arg Ala His Ala
174 65 70 75 80
176 Val Asp Ile Asn Gly Asn Gln Val Glu Asn Pro Ile Asp Ile Val Ile
177 85 90 95
179 Asn Val Ile Asp Met Asn Asp Asn Arg Pro Glu Phe
180 100 105
182 <210> SEQ ID NO: 8
183 <211> LENGTH: 108
184 <212> TYPE: PRT
185 <213> ORGANISM: Bos taurus
187 <400> SEQUENCE: 8
188 Asp Trp Val Ile Pro Pro Ile Asn Leu Pro Glu Asn Ser Arg Gly Pro
189 1 5 10 15
191 Phe Pro Gln Glu Leu Val Arg Ile Arg Ser Asp Arg Asp Lys Asn Leu
192 20 25 30
194 Ser Leu Arg Tyr Ser Val Thr Gly Pro Gly Ala Asp Gln Pro Pro Thr
195 35 40 45
197 Gly Ile Phe Ile Ile Asn Pro Ile Ser Gly Gln Leu Ser Val Thr Lys
198 50 55 60

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RAW SEQUENCE LISTING                      DATE: 08/13/2004  
 PATENT APPLICATION:    US/10/759,507              TIME: 10:47:59

Input Set : D:\407c11.app.txt  
 Output Set: N:\CRF4\08132004\J759507.raw

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200 Pro Leu Asp Arg Glu Leu Ile Ala Arg Phe His Leu Arg Ala His Ala
201   65                70                75                80
203 Val Asp Ile Asn Gly Asn Gln Val Glu Asn Pro Ile Asp Ile Val Ile
204                85                90                95
206 Asn Val Ile Asp Met Asn Asp Asn Arg Pro Glu Phe
207                100                105
209 <210> SEQ ID NO: 9
210 <211> LENGTH: 9
211 <212> TYPE: PRT
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: Description of Artificial Sequence: Product of
216     Synthesis based on Human OB-Cadherin
218 <220> FEATURE:
219 <221> NAME/KEY: MOD_RES
220 <222> LOCATION: (1)
221 <223> OTHER INFORMATION: ACETYLATION
223 <220> FEATURE:
224 <221> NAME/KEY: MOD_RES
225 <222> LOCATION: (9)
226 <223> OTHER INFORMATION: AMIDATION
228 <400> SEQUENCE: 9
229 Ile Phe Val Ile Asp Asp Lys Ser Gly
230   1         5
232 <210> SEQ ID NO: 10
233 <211> LENGTH: 9
234 <212> TYPE: PRT
235 <213> ORGANISM: Unknown
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Description of Unknown Organism: Consensus Cell
239     Adhesion Recognition Sequence in an OB-Cadherin
241 <220> FEATURE:
242 <221> NAME/KEY: MOD_RES
243 <222> LOCATION: (1)
244 <223> OTHER INFORMATION: Where Xaa is and independently selected amino acid
246 <220> FEATURE:
247 <221> NAME/KEY: MOD_RES
248 <222> LOCATION: (3)
249 <223> OTHER INFORMATION: Where Xaa is either Valine of Serine
251 <220> FEATURE:
252 <221> NAME/KEY: MOD_RES
253 <222> LOCATION: (4)
254 <223> OTHER INFORMATION: Where Xaa is either Isoleucine or Valine
256 <220> FEATURE:
257 <221> NAME/KEY: MOD_RES
258 <222> LOCATION: (5)
259 <223> OTHER INFORMATION: Where Xaa is either Aspartate or Glutamate
261 <220> FEATURE:
262 <221> NAME/KEY: MOD_RES

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DATE: 08/13/2004

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TIME: 10:47:59

Input Set : D:\407c11.app.txt

Output Set: N:\CRF4\08132004\J759507.raw

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263 <222> LOCATION: (6)
264 <223> OTHER INFORMATION: Where Xaa is an Independently selected amino acid
266 <220> FEATURE:
267 <221> NAME/KEY: MOD_RES
268 <222> LOCATION: (7)
269 <223> OTHER INFORMATION: Where Xaa is an independently selected amino acid
271 <220> FEATURE:
272 <221> NAME/KEY: MOD_RES
273 <222> LOCATION: (8)
274 <223> OTHER INFORMATION: Where Xaa is either Serine or Threonine
276 <400> SEQUENCE: 10
W--> 277 Xaa Phe Xaa Xaa Xaa Xaa Xaa Gly
278     1           5
280 <210> SEQ ID NO: 11
281 <211> LENGTH: 4
282 <212> TYPE: PRT
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Description of Artificial Sequence: Product of
287     Synthesis based on Human OB-Cadherin
289 <400> SEQUENCE: 11
290 Ile Asp Asp Lys
291     1
293 <210> SEQ ID NO: 12
294 <211> LENGTH: 4
295 <212> TYPE: PRT
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: Description of Artificial Sequence: Product of
300     Synthesis based on Human OB-Cadherin
302 <400> SEQUENCE: 12
303 Asp Asp Lys Ser
304     1
306 <210> SEQ ID NO: 13
307 <211> LENGTH: 5
308 <212> TYPE: PRT
309 <213> ORGANISM: Artificial Sequence
311 <220> FEATURE:
312 <223> OTHER INFORMATION: Description of Artificial Sequence: Product of
313     Synthesis based on Human OB-Cadherin
315 <400> SEQUENCE: 13
316 Val Ile Asp Asp Lys
317     1           5
319 <210> SEQ ID NO: 14
320 <211> LENGTH: 5
321 <212> TYPE: PRT
322 <213> ORGANISM: Artificial Sequence
324 <220> FEATURE:
325 <223> OTHER INFORMATION: Description of Artificial Sequence: Product of

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/759,507

DATE: 08/13/2004  
TIME: 10:48:00

Input Set : D:\407c11.app.txt  
Output Set: N:\CRF4\08132004\J759507.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2 ✓

Seq#:10; Xaa Pos. 1,3,4,5,6,7,8 ✓

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/759,507

DATE: 08/13/2004

TIME: 10:48:00

Input Set : D:\407c11.app.txt

Output Set: N:\CRF4\08132004\J759507.raw

L:44 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0

L:277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0